

Converting Colors

XYZ(51.0406, 42.2861, 5.8937)

Have a look what the booklet for
XYZ(51.0406, 42.2861, 5.8937)
contains.

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Color

**XYZ(50.9716, 42.2220,
5.8786)**

Conversions

Conversions Part 1

Format	Color
Hex	FC950E
RGB	252, 149, 14
RGB Percent	99%, 58%, 5%
CMY	0.0118, 0.4157, 0.9451
CMYK	0.00, 0.41, 0.94, 0.01
HSL	34°, 98%, 52%
HSV	34°, 94%, 99%
XYZ	50.9716, 42.2220, 5.8786
YIQ	164.4070, 104.7230, -20.1490

Conversions

Conversions Part 2

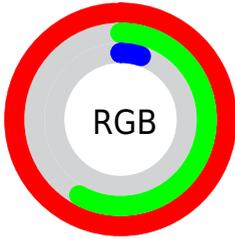
Format	Color
R _Y B	196, 252, 14
Decimal	16553230
CIE Lab	71.02, 31.12, 74.45
CIE LCh	71, 80.694, 67.313
Yxy	42.2220, 0.5145, 0.4262
Android (android.graphics.Color)	4294743310 (0xFFFC950E)
YUV	164.4070, -74.1507, 76.8191
Hunter-Lab	64.9785, 26.3100, 40.1210

Details

The XYZ color **50.9716, 42.2220, 5.8786** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **24.1133, 19.8446, 94.6543**, and the grayscale version is **35.7902, 37.6540, 41.0052**.

A 20% lighter version of the original color is **64.3181, 65.0398, 16.9486**, and **25.2610, 19.3682, 2.4070** is the 20% darker color. If you saturate the color by 10%, you get **49.9587, 40.3236, 5.1501**, and if you desaturate by 10%, it is **53.0700, 45.9546, 8.0107**.

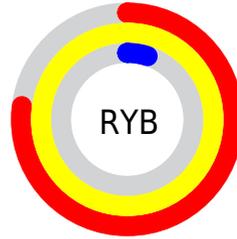
Distribution



Red (99%)

Green (58%)

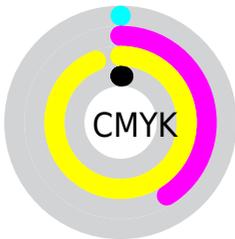
Blue (5%)



Red (77%)

Yellow (99%)

Blue (5%)

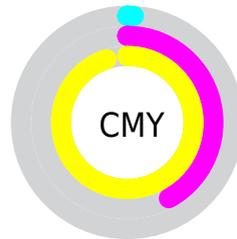


Cyan (0%)

Magenta (41%)

Yellow (94%)

Black (1%)



Cyan (1%)

Magenta (42%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9716, 42.2220, 5.8786 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.9716, 42.2220, 5.8786 by changing the saturation by 10% instead.

 50.9716, 42.2220,
5.8786

 50.9716, 42.2220,
5.8786

380.8429,
355.4024, 167.2510

 36.4070, 29.2752,
2.7038

 90.7960, 78.5355,
18.1517

 24.9202, 19.2891,
0.9453

 116.7865,
102.6710, 28.0871

 16.1460, 11.8793,
0.0000

 147.3164,
131.3047, 41.1131

 9.7191, 6.6616,
0.0000

 182.7509,
164.8212, 57.6482

 5.2739, 3.2514,
0.0000

 223.4554,
203.6049, 78.1110

 2.4453, 1.2643,
0.0000

 269.7954,

 0.8677, 0.1133,

248.0400, 102.9201

0.0000

322.1361,
298.5110, 132.4939

■ 0.0000, 0.0000,
0.0000

■ 50.9716, 42.2220,
5.8786

■ 50.9716, 42.2220,
5.8786

■ 49.9587, 40.3236,
5.1501

■ 53.0700, 45.9546,
8.0107

■ 55.6103, 50.1273,
11.6564

■ 58.6449, 54.7697,
17.0666

■ 62.2162, 59.9049,
24.4459

■ 66.3613, 65.5539,
33.9701

71.1133, 71.7358,
45.7956

76.5024, 78.4684,
60.0638

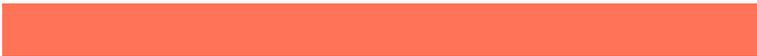
82.5566, 85.7686,
76.9049

89.3019, 93.6521,
96.4395

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.4546, 42.2220, 14.0755



50.9716, 42.2220, 5.8786



36.9233, 42.2220, 4.6691

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.9716, 42.2220, 5.8786



19.5336, 42.2220, 56.0758



57.9665, 42.2220, 133.7965

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.9716, 42.2220, 5.8786



24.1133, 19.8446, 94.6543

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.5187, 42.2220, 165.7661



50.9716, 42.2220, 5.8786



22.8555, 42.2220, 107.1856

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.9716, 42.2220, 5.8786



20.6643, 42.2220, 22.8883



30.9475, 42.2220, 153.9812



69.0827, 42.2220, 80.9251

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.9716, 42.2220, 5.8786



29.3812, 42.2220, 6.5446



30.9475, 42.2220, 153.9812



53.2265, 42.2220, 148.3852

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.9725, 42.2242, 5.8794



76.5327, 78.0696, 56.1631



43.5208, 22.2973, 18.8823



15.8741, 16.0748, 10.6844



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.9725, 42.2242, 5.8794



51.3115, 41.4030, 5.2872



69.5258, 87.5077, 13.6421



18.0618, 18.8594, 18.1507



26.1736, 21.3039, 2.7326



2.5295, 2.1838, 0.2882

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.1133, 19.8446, 94.6543



23.6641, 18.4483, 96.9214



18.2595, 7.6167, 92.6026



16.9008, 17.8785, 21.9454



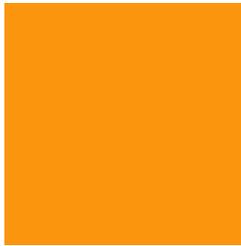
12.1446, 9.6448, 49.1951



1.2279, 1.0995, 4.5907

Previews

White Background



This preview shows how the XYZ color 50.9716, 42.2220, 5.8786 looks on a white background.

Color Contrast Check

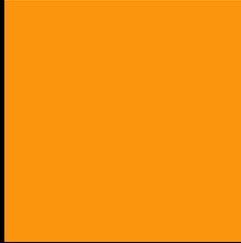
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.9716, 42.2220, 5.8786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

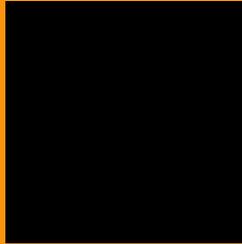
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9716, 42.2220, 5.8786

Background



This preview shows how black text looks on a background with the XYZ color 50.9716, 42.2220, 5.8786.



This preview shows how white text looks on a background with the XYZ color 50.9716, 42.2220,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

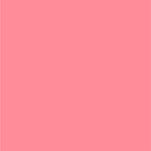
50.9716, 42.2220, 5.8786

Protanopia

38.2598, 42.4617, 7.0436

Deuteranopia

42.9703, 42.1259, 5.8663



Tritanopia

56.1231, 42.2182, 34.0451

Trichromacy



Original Color

50.9716, 42.2220, 5.8786

Protanomaly

42.0814, 41.9219, 6.5356

Deuteranomaly

45.7042, 41.9630, 5.8344

Tritanomaly

53.0445, 41.6553, 17.5565

Monochromacy



Original Color

50.9716, 42.2220, 5.8786

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.9234, 37.6362, 19.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9716, 42.2220, 5.8786 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(252, 149, 14)` looks like.

```
.text, #text, p{  
    color:rgb(252, 149, 14)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(252, 149, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 149, 14) }
```

Border

The CSS property to change the border of an element to XYZ 50.9716, 42.2220, 5.8786 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(252, 149, 14) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(252, 149, 14) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(252, 149, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 149, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 149, 14);  
box-shadow:4px 4px 4px 4px rgb(252, 149,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9716, 42.2220, 5.8786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 149, 14) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(252,  
149, 14) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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